

THE 4★ PUZZLER

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... AND MORE!

CURT SLEPIAN

Recently the *Four-Star* offices were visited by a burly, bearded man with a very unusual suitcase of goods. He was David Singmaster, the author of *Notes on Rubik's Magic Cube*. A teacher of mathematics at a London university, he is a leading expert on the famous puzzle cube, and his suitcase—surely an enigma in itself as far as customs agents are concerned—was a cornucopia of cubes of all sizes and colors, with a boggling array of new variations and mutations the craze has spawned.

As Singmaster sat and chatted with us about his career, the multicolored contents of his suitcase began spilling out into our offices. His large hands compulsively twirled the many cubes into different patterns.

Having been introduced to Rubik's Cube at a mathematics conference in 1978, Singmaster produced his "easy" solution to the cube early in 1979. Since then he has penned four more editions, each new one richer than the last in puzzles, solutions, and lore. A sixth edition, Singmaster told us, would be twice the volume of the fifth. Most of his new cube material, however, is slated for his own quarterly newsletter, archly called "Cubic Circular." (For a year's subscription, send five dollars to David Singmaster Ltd., 66 Mount View Road, London N4 4JR, England.)

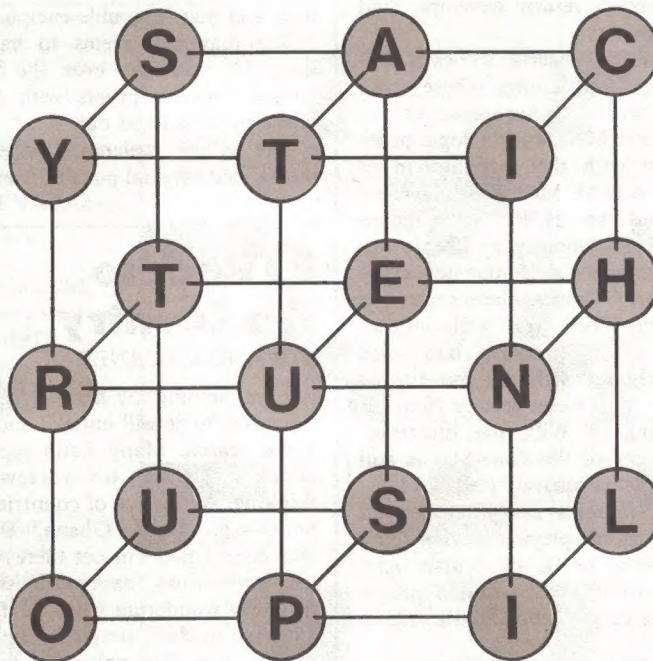
Of course, full-blown cubemania has been rampant since 1979. Obsession with the cube has ended at least one marriage and has distracted countless students from their homework (the Irish champion was forced to miss a year of school because of his habit). Singmaster himself claims to suffer from "Rubik's thumb

continued on page 4

WILL SHORTZ

How many five-letter words can you find in the block of letters below? A word may start at any letter, but must proceed along balls that are consecutively connected by straight lines. For example, the word UPSET starts at the U in the middle of the cube's front side, moves down to the P, backwards to the S, up to the E, and then left to the T. In forming a word you may return to a letter and use it again (as in TACIT), but you may not stand on a letter and use it twice before proceeding (as in ATTIC). Disallowing capitalized and hyphenated words, but allowing plurals, we found 31 common five-letter words in the block. We invite you to top our score.

Answer, page 14



1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

For Starters

What do you call a roomful of people playing with Rubik's Cube? This is a question that occurred to the new *Four-Star* editors during David Singmaster's recent visit (see our feature story on page 1). We'll answer that question in a moment, but before we do, let's attend to a few matters of business.

Among our first tasks as editors is the pleasant one of inviting contributions from you, our readers. Of course, we are dedicated to representing many of today's best-known puzzlemakers in our pages; in a sense, the *Four-Star* is meant to showcase their work. At the same time, we like to think of the *Four-Star* as a puzzle playground where people can create some of their own amusements. Contributions to the Sphinx Page and At Wit's End are always welcome and are solicited in every issue; but we are also happy to see whatever novel puzzles and games our readers may dream up—from exotic posers to homespun puns. So if you are a closet crossword constructor or a mad midnight anagrammatist—or if it suddenly dawns on you that the burning question "Do geese see God?" is spelled the same way forwards and backwards—then maybe you should drop us a line. Send a stamped return envelope, and we'll even answer!

Another of our cheerful duties is welcoming those contributors whose work appears in this issue. Our special thanks go to Kathleen Mellon for a logic problem touched with the enchantment of springtime; to N.M. Meyer for her mini-maxims; and to H.W. Massingham (known pseudonymously as "Mass" to his British fans) for a devious new cryptic crossword. Of course there's also our dear departed Uncle Max with another installment of his treasure hunt—but maybe we should withhold our thanks until we see what we're getting from his will. Speaking of Will, the illustrious founding editor of the *Four-Star* is still with us, this time squarely on page 1!

And that reminds us—what do you call a lot of people playing with Rubik's Cube? A block party, of course! And what do you call the frustrated people who dash the cube to bits? That's right—blockbusters.

Incidentally, April may be the month for rainshowers, sunbeams, new blooms, and baseball, but it is also the month for Foolishness, and we want you to know that this issue will not go by without a few harmless little practical jokes. It's all in fun, though—so relax, settle into a nice cozy spot with pencil in hand, and, as our own modest offering on page 3 suggests, Be Our Guest.

—E.C. and H.R.



Review

Cryptography Magazine P.O. Box 641, Davis, CA 95617. Bimonthly, 32 pages, \$12/year.

Cryptography Magazine is, in a phrase, a cryptomaniac's heaven. Founded a year ago by University of California professor of language Bill Estabrook (who was trained as a cryptanalyst by the U.S. Army), the magazine offers a wide variety of cipher puzzles and features, ranging in difficulty from "ho-hum" right up through "whew!"

Besides the usual simple substitution quips and quotes, *Cryptography* includes a section of simpler puzzles called "Codebusters" for youngsters, and mystery stories that depend on ciphers for their solution. One issue contains a playable musical score concealing a dastardly spy plot. Another hides a message in a seemingly innocent letter, for which the decipherment turns on subtle differences in typeface. Unusual and historical forms of ciphers are also explored, including the Beaufort Square, columnar transposition, and matrix double-encipherment.

The magazine seems to have something for everyone, even the lazy—one section contains crypts with letter frequencies all worked out.

The editor welcomes letters, comments, and original puzzles from readers.
—SALLY PORTER

② Back to the Country

YOLANDA TURNER

I am rubbing my hands gleefully over this one, for it will entail a most roundabout search. Many Latin republics incline me, you see, toward revolutionary thinking. Also, a lot of countries that are poor—e.g., India, Ghana, Yugoslavia, and Zaire (glad I'm not there)—impress me with their backwardness. You're probably wondering what all this means. To put it in clear, simple, and plain arithmetic, I'd be \$20 richer if I had a buck for each country hidden reversed in this paragraph. You'll have to peer at a queer angle to find them all. Fair warning: on two occasions there will be an overlap encountered, and one nation is given by its four initial letters. Success will come if you give your brain a more reflective bent. So go to it—and may billygoats show you the way back to the country!

Answer, page 14

Rebus Cartoons

A Four-Star Contest

Grand Prize: "The Brass Ring Game" by Stephen T. Ott, S. Lake Tahoe, CA

10 Runner-Up Prizes: "Psc-Out" logic game from Creative Publications of Palo Alto, CA

Contest Puzzles This Issue: 3, 6, 10, 16, 17, 30, 31, 32, 35, 44, and 45

How to Solve: The caption above each cartoon gives the category and number of letters of the answer, which is hidden phonetically in the cartoon in one or more of the following ways:

1. Words or hyphenated syllables actually spoken by the cartoon characters or appearing in the cartoon;
2. Synonyms of words spoken or appearing in the cartoon;
3. Names of prominent objects in the picture;
4. Isolated letters in the picture;
5. Words implied by the action or subject of the scene.

National Park: 4, 5



For example, the answer to the cartoon at left is Mesa Verde, sounded out by the pictured MACE, spoken OF, implied HEIR, and written D (MACE-OF-HEIR-D).

How to Enter: On a postcard or back of an envelope, print the answers with phonetic explanations to as many April rebuses as you can solve. Send to "Rebus Puzzles," *The Four-Star Puzzler*, 515 Madison Avenue, New York, NY 10022. Entries must be received by April 30, 1982.

Winning: The winner will be the reader who correctly solves the most cartoons. Those who submit the ten next best entries will be runners-up. In case of ties, winners will be chosen by random drawing. Answers and winners' names will appear in the July issue.

③ Country: 4



4 Ten of Clubs

PETER G. SNOW

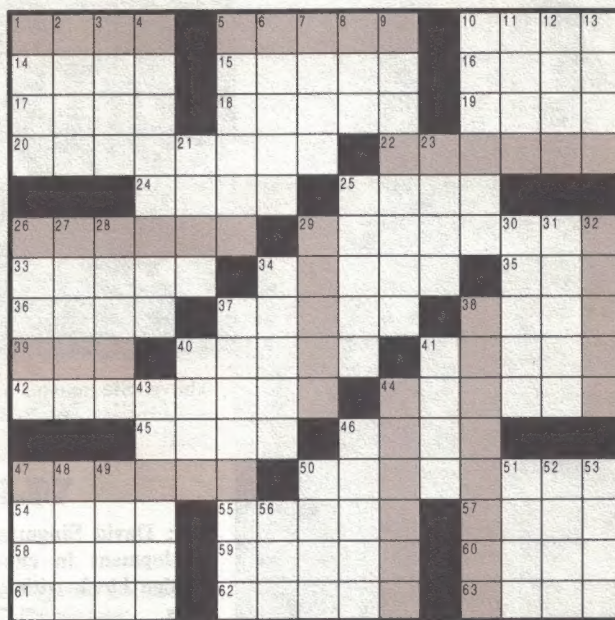
There is no clue for any of the answers belonging in the shaded portions of the diagram. Or is there?

ACROSS

- 10 From thumb to pinky
14 Capital of Latvia
15 "Rockin' ____"
16 Accomplisher of great feet?
17 What the nose knows
18 Last words
19 Legendary craft
20 Surrounded with verandas
24 Bread spread
25 What George couldn't tell
29 Change schools
33 Disables
34 Slight coloring
35 Old auto
36 Like an eager beaver
37 Hobgoblin
- 38 Ingrid's co-star in *Notorious*
40 Gift recipient
41 Craze
42 Trapper
44 Part and ____
45 Like suffixes
46 Compel
50 Mardi gras, e.g.
54 Sell
55 Capital of Tibet
57 Zilch in Xochimilco
58 Hero
59 On the up-and-up
60 Afresh
61 Over
62 Carrying excess weight
63 Minus
- DOWN**
1 Jog
2 Off the mark

3 Composer Stravinsky

- 4 Tapered
5 Strengthening drink
6 Beseecher at a balcony
7 In the sack
8 Nice wine
9 Preservation of green fodder
10 Dark suit
11 Persian sprite
12 Simple plant
13 Light gas
21 Stout relatives
23 Starting time
25 Palmer, to his army
26 Fault
27 One-word bird
28 Discharges
30 100 centimes



- 31 Eldritch
34 Hues
37 House of ill repute
40 ____ Eireann (Irish legislative body)
41 *Magic Mountain* maker
43 Noggin
46 Foundation
47 Author of *Ars Amatoria*
48 Decorate again
49 Having a part of
50 Confine
51 Windicator?
52 Summer drinks
53 Rules
56 N.T. book

5 Be My Guest

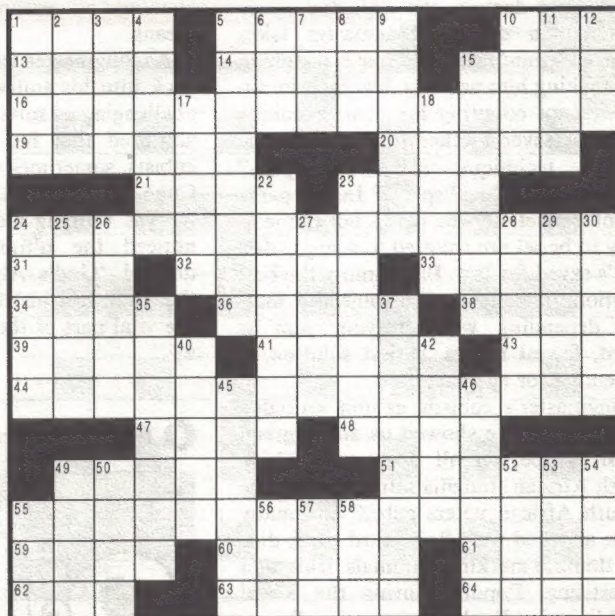
EMILY COX AND HENRY RATHVON

ACROSS

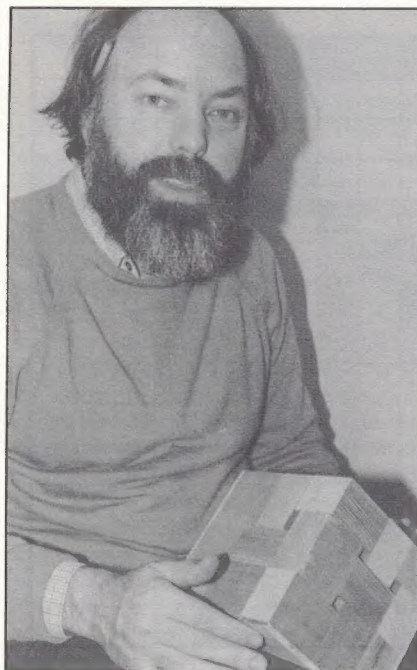
- 1 Junk rock?
5 The Bard's bag
10 Bug
13 Parting notes
14 Mollified
15 Heartily recommend
16 A warm welcome to you
19 Henry ____ Commager
20 "Oh, give me ____"
21 Forward
23 General Bradley
24 Comfy places for you to sit
31 Word that's always in poetry
32 Flair
33 Itch inducer
34 ____ breve (2/2 time)
36 Shinbone
38 Early word
39 Strings
41 Gold-mining center of Nigeria
- 43 Make an alteration
44 Something to relax you after dinner
47 Issue
48 Convoy constituent
49 Pond vegetation
51 Ranchero's wrap
55 Here's where you can spend the night—pleasant dreams!
59 Friend of Churchill and Albert
60 Swiss mathematician
61 Oxygenation site
62 Yeoman's yes
63 Not yare
64 Diminutive ending
- DOWN**
1 Science degrees: Abbr.
2 LummoX

3 Carpenter's helper

- 4 Pavilion in a park
5 Skid Row sort
6 Cheerleader's syllable
7 Zoroastrian principle of good
8 Chess pieces
9 Founder of Hull House
10 Heady stuff
11 Newman role
12 Western tribe
15 Radioactive element
17 Hitch and run?
18 Persian bigwigs
22 Spell out
23 Picnics
24 Follow in a sot's footsteps
25 Spring's form
26 Ship deck
27 The Boone residence
28 President Ford's birthplace



- 29 Dubber
30 Three-card monte and its ilk
35 A lively tempo
37 Roots
40 Body: Comb. form
42 Evangelist McPherson
45 Type of locomotive
46 Stay
49 Sailor's salute
50 Theater box
52 Neighbor
53 Confined
54 Bite
55 Mineral waters
56 Shade
57 Part of Guido's gamut
58 It's a scream



Above: Singmaster's many toys create a miniature, surrealistic city on our office desk.

Left: David Singmaster displays a new development in cube puzzles, a large wooden block with over twenty moving parts.

Cubemania, cont'd

and wrist," a malady induced by constant manipulation of the shifting blocks. He says this can help cure "tennis elbow"—but if you're into the cube, who has time for tennis?

Although Singmaster practices regularly and does "fifty cubes for breakfast," he's no Mario Andretti of solvers. While some speed demons can align the colors in under a minute, Singmaster takes about 2½ minutes—if no one is watching and making him nervous. His favorite solution (not counting his own, a unique blend of several other methods) is the French technique called "tampon," meaning "plug" or "space." In this parking place method, the pieces not immediately to be set are shunted to a single side that's saved for last. But naming the best solution, he believes, is a subjective matter, depending whether your aim is speed, fewest moves, easiest solution to remember, or elegance.

Singmaster's cubistic exhibit unfolded as he talked. He showed us an all green "Irish" cube, an all white one which South African students satirically call the "South African voters cube," and many more adorned with flags, card suits, dice and domino markings, animals, fruit, and advertising. Popular during the Royal Wedding in England was the Prince Charles and Lady Di cube that permitted parts of their faces to be jumbled together. "My English friends thought their appearance much improved when they exchanged each other's hair and ears." The very newest transformations of the cube included octahedrons, pyramids, and spheres. One of the most ingenious examples was a pair of hinged cubes that could be folded into each other like flexagons.

From a shopping bag, Singmaster finally removed a wooden block nearly the size of a car battery. This was a prototype puzzle he predicted would become popular in the near future. The cube was made of 27 smaller blocks that might—or might not—fit back together seamlessly. Invented by D. G. Hoffman at Auburn University, the puzzle illustrates the inequality of arithmetic and geometric means.

As Singmaster tried to fit all the cubes back into his suitcase—a task almost as challenging as solving the cube itself—he admitted that he, like other dedicated cubists, sometimes dreams about Rubik's Cube. "One friend," he said, "dreamed he was walking along a beach when he noticed the ultimate cube solution—dubbed 'God's Algorithm'—written in the sand. But just before he could reach the vital part of the solution . . . he woke up."

6 Philosopher: 5



7 Brother Miniver's Maxims

N. M. MEYER

In the Blue Ridge Mountains of Virginia lived a solitary monk named Brother Miniver. An assiduous scribe and dedicated conservationist, Brother Miniver copied out thousands of tales, fables, poems, and maxims—all in his own peculiar and varied forms of shorthand. The familiar sayings below, reproduced from one of Brother Miniver's notebooks, are written in his most characteristic paper-saving style. All the letters in each saying are represented, but each letter is listed only the first time it appears in the saying.

How many of these abbreviated entries can you decipher?

1. ALISFRNOVEDW
2. NECSITYHMORFV
3. AMNSHOEICTL
4. LETWNOUGH A
5. IFWSHEROBGAULD
6. FEDACOLNSTRV
7. LOKBEFRYUAP
8. IFTSWORHDNG
9. ALSWETHND

Answers, page 14

THE 4★ PUZZLER

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8 Creature Features

LOIS SIDWAY

ACROSS

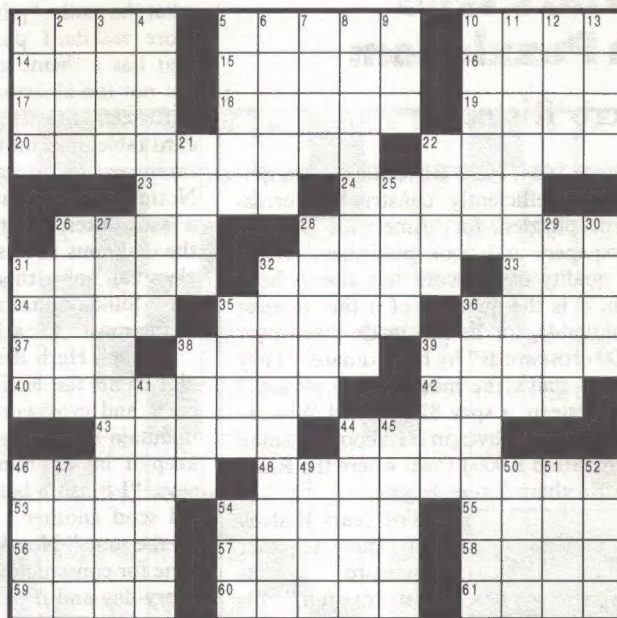
- 1 Tennis calls
5 Animals, two by two
10 Fun, fun, fun
14 Alpine air?
15 Chad's neighbor
16 Little Indians, at last count
17 Seed covering
18 Dispatch
19 Exhausted
20 Skirt the issue
22 More like Solomon
23 Under strain
24 Frankie the singer
26 Widen a smile
28 Spads, e.g.
31 Fracturing remark?
32 Belief
33 Down under bird
34 Grad's garb
35 Certain piles
36 — homo
37 Three-man vessel?

DOWN

- 38 Attention-getters
39 Annoyed
40 RAF craft
42 What turns litmus blue
43 Macbeth was one
44 Vital statistics
46 Javelin or assagai
48 Yaws
53 — Bator
54 Actor Nick
55 Young sprat
56 Fringe benefit
57 *Wait Until Dark* actor
58 City founded by Francisco Pizarro
59 Impertinence
60 Tin man's want
61 *Words at Play* author

TURNING POINT

- 5 Chaotic state
6 Centrifuge's center
7 Charge for exchanging money
8 Young, dependent creatures
9 Sign for a hit
10 Coronary trouble
11 Some lamps
12 Henry the Eighth's second
13 Visionary
21 Cohan hero
22 Fade like a flower
25 Simians
26 School, for fish
27 Aerials
28 Former mayor of Gotham
29 Run the show
30 Took action against
31 Computer display terminals: Abbr.
32 Accordingly
35 Climb a rope



- 36 Like some typing paper
38 At a distance
39 Poker player's words
41 Gratitude

- 44 Up and about
45 Belgian port
46 Takes an evening meal
47 Request made on bended knee?

- 49 One of the Chases
50 Flag
51 Walk unevenly
52 Wait
54 Slangy refusal

9 Cryptic Crossword

TIMOTHY MARTIN

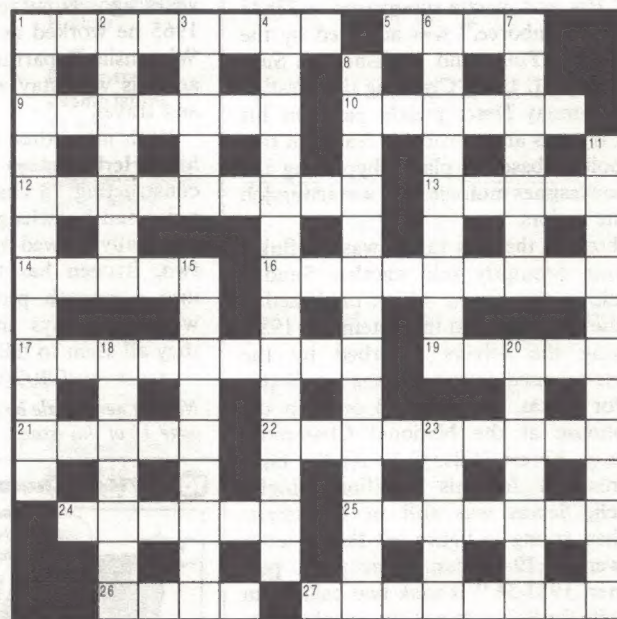
Each cryptic clue contains two indications of its answer—a direct or indirect definition, and some sort of wordplay on it (anagram, pun or reversal, etc.). You'll know when you have an answer because every word in the clue will have a role in leading you to it. Explanations will appear with answers next month.

ACROSS

- 1 When litmus changes in front of you and me, it shows what causes the reaction (8)
5 Initially, indigo bunting is small bird (4)
9 Hero in Missouri returned in a motor vehicle (7)
10 Changed routes in order to get lost (6)
12 Assertion badly misses in Mexico (9)
13 Cited outrageous mandate (5)
14 Usual place for an actor's beginning (5)
16 Crafty about cutting economically (9)
17 Taunt badly following survey—a real waste (9)
19 Get lower in gulf—row north (5)
21 Summarize racehorse's comeback (5)
22 Confused, went fishing in crawfishing place (7, 2)
24 Unexpected result in Northern Ireland (6)
25 Minister and I, sitting in pew, make a preliminary check (7)
26 Servant in the waves washing up by the sound (4)
27 Some clothes for Ma re-sewn sloppily (8)

DOWN

- 1 Make public plugs for bravura performances? (12)
2 Baseball divisions skim the top 12 1/2% from gambling profits (7)
3 Color left off planks (5)



- 4 Poor Una sits awkwardly on top of plant (14)
6 Kind of sculpture found in bombed-out flier base (3-6)
7 Trying to get glimpse of monarch (7)
8 Old city fixed on Pelion, in ruins (14)
11 For strength to endure party, swig one rum (7, 5)

- 15 Harlot loses head . . . uh . . . for Hornblower? (9)
18 Places most of cola up on top of beers (7)
20 Phony mod tile from a bygone era (3-4)
23 Reel going backwards at the beginning of *Spell-bound* causes nasty looks (5)

Who's Who in Puzzledom

Herb Risteen

Since 1954, Herb Risteen has been quietly and efficiently constructing crossword puzzles for America's leading newspapers and book publishers. While the quality of his work has always been high, it is the quantity of it that is most remarkable, for he has made "well over 6,000 crosswords" by his estimate. "They tell me that's the most by one person," says Risteen, a spry 82-year-old Wisconsin native who lives in Baraboo, the small (population 8,000) town where the Ringling Brothers Circus began.



For years Risteen had put together crossword grids "just for fun," fitting together words the same way a jigsaw puzzler searches for interlocking pieces. One day in 1954 Risteen's wife Esther examined one of his crossword diagrams and said, "This is just as good as the ones in papers and magazines. Why don't you send it in?" His first puzzle submission, a 23x23 called "Jamboree," was accepted by the *New York Times* and published on Sunday, July 11, 1954. Cracking the prestigious Sunday *Times* puzzle page on his first try was an improbable feat akin to a schoolboy baseball player bypassing the minor leagues and winning a starting job in the majors.

Showing that his talent was no fluke, Risteen promptly sold another Sunday puzzle to the *Times*, which published it on the first weekend in September, 1954. Among the solvers absorbed by the sports-oriented crossword was tennis star Victor Seixas, who worked on it in the clubhouse at the National Championships at Forest Hills, N.Y. As the hour approached for his semifinal singles match, Seixas was still in his street-clothes, trying to figure out the 23-letter answer to 79-Across, "Star track performer, 1953-54." It took two calls from his wife for Seixas to put the puzzle aside. Only after winning the match did Seixas realize that Risteen's "star track performer" was VANDERBILT'S NATIVE DANCER, the horse which had won the Belmont Stakes and Preakness the year before.

Such wry humor is a Risteen trademark, notably in his puzzles with overlapping answers such as JAMES MADISON WISCONSIN, HUBERT HUMPHREY BOGART, and JOHNNY CARSON MCCUL-

TERS. But in general Risteen eschews what he calls "gimmicks." "I prefer a more standard puzzle," he says, "one that has a theme and that's fairly hard, but not too abstruse."

Risteen constructs crosswords on a card table, but, unlike most constructors, rarely pauses to consult the dictionary. Noting proudly that he has "always been a fast worker," Risteen usually completes the diagrams in less time than some puzzlers can solve them: under three hours for a Sunday puzzle and "thirty minutes at the most" for a 15x15 daily.

Though Herb Risteen contributes puzzles to all the leading newspaper syndicates and crossword series, he does not maintain an assignment schedule. "I just keep it in my mind more or less," he says. "I finish a batch and think, 'maybe I'll send another.' Something comes up all the time." Nor does Risteen have a set time for constructing puzzles. "I do some every day and it passes the time nicely. I have to watch myself, though," he adds, "for I have a tendency to do puzzles too often. When that happens I can't get to sleep, because the words rotate in my mind."

Observing that "puzzles keep you mentally alert," Risteen has stayed in shape physically as well, maintaining the same weight, 170 pounds, on his 6'1" frame since graduating from college 59 years ago. Now retired (from 1930 to 1965 he worked as an inspector for the Wisconsin Department of Taxation), he and his wife stay active through bridge and travel.

With more than 6,000 puzzles behind him, Herb Risteen still finds crossword constructing "a challenge to one's ingenuity and knowledge." Though he is occasionally slowed by a pesky corner or two, Risteen has turned puzzlemaking into a smooth process. "I'll put in a word," he says matter-of-factly, "and they all seem to fall into place."

—ROBERT D. SPURRIER

Note: A new puzzle by Herb Risteen appears on page 11 of this issue.

10 Cartoon Character: 4, 4



Can You Answer This?

HENRY HOOK

You may not know the answers to all of these questions, but think of the interesting additions to your knowledge!

Answers, page 14

1. "Beautiful, beautiful, beautiful. A magnificent desolation" was whose description of what?

2. The traditional hangover cure in Hungary is to sip a jigger of vodka through a slice of something not usually found at a bar. What?

3. According to Harvard's Institute for Policy Studies, a survey showed that an assembly line worker, an elevator operator, a pool typist, a bank guard, and a housewife have the five most (what?) jobs.

4. The owner of a bookstore in Raleigh, NC, claims that people come into his store to pick up Bibles more than any other book. So?

5. What do cremnophobes fear?

6. What percentage of working wives outearn their husbands—is it 15%, 25%, or 40%?

7. The 83 that dwelt in Queen Victoria's palace she always addressed by name. What were they?

8. So many show-biz folks are superstitious. It's reported that in at least one scene of every movie he's made, David Niven wears the same... what?

9. From the Gaelic *isquebeadh*, "water of life," comes what familiar English word?

10. What would you call the offspring of a boomer and a flyer?

11. Scientists designate radio waves from outer space by the initials LGM, which stand for...?

12. In 1908, Jacques Edwin Bradenberger wanted to develop a tablecloth that wouldn't stain. His efforts produced something that made his place in history quite clear. What was it?

13. We're told that numerous Argentinean restaurants customarily serve a pair of dice with each meal. Why would they do that?

14. Equal amounts of bergamot, citron, oil of orange, and rosemary, mixed with a dram of cardamom and a gallon of spirits... This was the first recipe for what familiar item?

15. What are the modified papillae of the mucous membrane of the oral-buccal region, heavily impregnated with lime salts, better known as?

16. The first English dictionary in England was compiled by Samuel Johnson. The first English dictionary in America was compiled by Samuel Johnson. So?

12 Acrostic Puzzle

LAURA BOBROW

1V	2L	3W		4U	5I	6T	7S	8P	9B	10J	11V	12R		13G	14M	15U	16O		17A	18T		19S	20E
21Q		22W	23S	24P	25V		26U	27A	28C		29O	30F	31E		32I	33B	34N		35P	36W	37A	38R	39S
40J	41U		42T	43I		44H	45K	46G		47L	48O	49C	50E		51R		52N	53P	54T	55V	56K	57L	58Q
59W		60H	61R		62A	63N	64F		65P	66B	67G	68O		69C		70E	71R	72U	73T	74D		75M	76I
	77B	78P	79L	80Q	81E		82F	83O	84V		85S	86G	87K		88C	89N	90I	91V	92W	93Q	94P	95F	96R
	97J	98E	99O	100K	101N	102V	103D	104F	105H		106B	107A	108T	109M		110R	111V	112W		113C	114S	115D	116U
117L	118F	119E	120W		121K	122M	123S	124C	125I	126G	127F	128N		129D	130O	131Q	132K	133R	134A	135M	136J	137T	
138D	139E	140U	141H	142F	143G	144R	145S		146J	147L	148I	149O	150D	151K	152B		153H	154T	155G		156Q	157C	158N
159D	160R	161U	162A	163O		164I	165P	166W		167H	168K		169Q	170V	171J	172B		173T	174O	175M	176G	177R	178N
	179I	180A	181K	182F	183B	184P	185U		186O	187D		188M	189E	190T	191I	192W	193G		194J	195L			

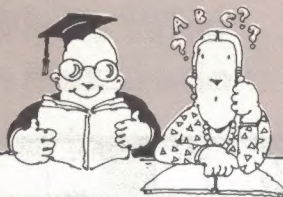
Answer the clues for words to be entered on the numbered dashes. Then transfer the letters on the dashes to the correspondingly numbered squares in the puzzle grid to spell a quotation reading left to right. Black squares separate words in the quotation. Work back and forth between grid and word list to complete the puzzle. When you are done, the initial letters of the words in the word list will spell the name of the author and the source of the quotation.

Clues

Word List

- A. Steersman of a racing shell
37 17 180 162 62 27 107 134
- B. Not deserving
66 183 106 33 172 9 77 152
- C. Complete suit of armor
113 69 28 157 88 49 124
- D. The seven daughters of Atlas placed among the stars
129 115 159 103 150 74 138 187
- E. Competitors for the America's Cup
50 98 70 20 81 31 119 189 139
- F. Inability to feel pain
118 127 30 95 142 104 64 182 82
- G. "My _____, when I was green" (*Antony and Cleopatra*; 2 wds.)
67 176 13 143 155 193 86 126 46
- H. Seat on an elephant's back
167 141 44 105 153 60
- I. Founder of the colony of Georgia
191 125 32 43 76 164 148 90 5 179
- J. Records of employment
136 171 97 10 194 146 40

- K. Low-pitched resonances obtained by percussion
181 132 151 121 45 56 100 168 87
- L. Honeycomb figure
2 195 147 79 117 47 57
- M. Crane of Sleepy Hollow
14 175 109 75 188 122 135
- N. Beaver-tree or swamp laurel (2 wds.)
101 34 89 178 158 52 63 128
- O. Legislative assembly (2 wds.)
99 130 29 83 163 16 174 68 186
48 149
- P. Aim
165 35 65 78 184 94 8 24 53
- Q. Choose again
80 169 21 131 58 93 156
- R. Hebrew name for the Dead Sea (3 wds.)
96 38 160 110 51 144 177 61 12
133 71
- S. Freebooter's business
114 39 19 123 23 85 7 145
- T. Dubious and temporary (hyph.)
18 73 190 173 137 154 6 54 42 108
- U. Puzzled
26 116 4 185 161 15 72 41 140
- V. Sworn statement in writing
25 102 91 55 84 11 170 111 1
- W. Fifth smallest state in the Union (2 wds.)
192 3 166 22 92 59 112 36 120



The Logic Page



Answers, page 14

13 Tennis Match

PAUL R. McCLENON

On the first balmy day of April, Dr. Smedley shepherded his white-shirted and -shorted marriage counseling flock off to the neighborhood tennis club for some group therapy. For this first session, Smedley had decided, the five couples were to engage in mixed doubles; but to avoid intrafamily confrontation, no married couple was to share the court, as either partners or opponents, during any match. A different spectator was to be appointed scorekeeper for each foursome, regardless of whether his or her spouse was playing that match. Here's how Dr. Smedley scheduled the matches (with their appointed scorekeepers):

1. Nancy and Albert vs. Lorna and Mr. Innes (Mr. Fox).
2. Lorna and Ernest vs. Olga and Mr. Hall (Mary's husband).
3. Olga and Albert vs. Kate and Mr. Jackson (Bill).
4. Kate and Ernest vs. Mary and Mr. Jackson (Mrs. Innes).
5. Mrs. Grunt and Mr. Hall vs. Mrs. Fox and David (Mr. Jackson).

Given this information, can you match up the men (Albert, Bill, Cecil, David, and Ernest) and women (Kate, Lorna, Mary, Nancy, and Olga) with their last names (Fox, Grunt, Hall, Innes, and Jackson)?

14 Card Board

HENRY HOOK

The 13 Spades in a deck of cards, along with the deck's remaining 3 Aces, may be placed in the diagram so as to meet the following conditions (Aces being considered face cards):

1. The diagonal line from Square 1 to Square 16 contains three cards totaling 15, plus a face card.
2. The value of each card in the bottom row is a three-letter word.
3. The Diamond in the third row is below two non-face cards.
4. The card in Square 4 completes the straight flush in the third column.
5. The Three is on the perimeter.
6. The cards in the top row are in descending order; their values are respec-

tively five-, four-, five-, and four-letter words.

7. There are three Aces to the right of the column containing the King (though not necessarily to the immediate right).

8. The two red cards are not in the same line; a chess knight placed on the Eight would attack pawns placed on both red cards.

9. The Nine is in Square 6.

10. A chess queen placed on the Ace of Spades would simultaneously attack pawns placed on all of the other three Aces.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

15 Flights of Fancy

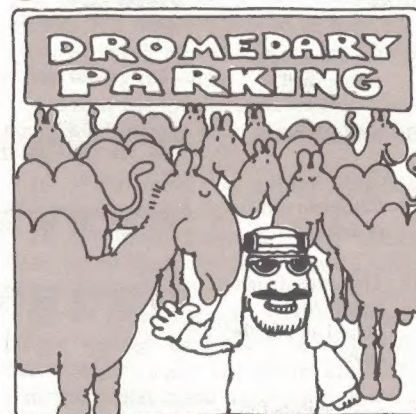
KATHLEEN MELLON

On a fine, sunny day with a touch of magic, five true friends (Briggett, Eomann, Maire, Padraig, and Sean) headed off to a picnic in a secluded area. After eating, each went off alone to enjoy the natural beauty of the woods. Each had a vision of a mythological creature (a dragon, a griffin, a leprechaun, a pixie, a unicorn) in a part of the forest (in a cave, in a dell, on a hilltop, in a meadow, behind a tree). One thought it was a dream, another an hallucination; but the other three gave immediate chase. One of the five actually caught a glimpse of a real creature. Which one?

Clues

1. The griffin was not seen by Padraig and was not chased by anyone.
2. The creature on the hilltop was chased by a boy but was not real.
3. Briggett did not see the griffin but did see a creature in the dell.
4. The pixie was not seen in the cave, on the hilltop, or behind a tree and was not chased.
5. The dragon was chased but the creature in the cave was not.
6. A boy saw the unicorn but not on the hilltop and not behind a tree.
7. One of the girls saw the leprechaun but it was not real.
8. Neither Sean nor his friend Maire saw a creature in the meadow but both gave chase.
9. The real creature was seen in neither cave nor dell, but it was chased.
10. Neither Padraig nor Eomann thought he was hallucinating and neither saw a creature on the hilltop.

16 Musical: 7



17 Emperor: 10



Uncle Max's Will, Part III

January Results

Last October our Uncle Max left us a fabulous fortune in his will. But the old trickster also stipulated that we solve a fiendish cross-number puzzle in order to find the loot. Our answer led us to Enigma, Georgia, where we found yet another puzzle—this time a peculiar and challenging crossword.

After enlisting your help in January, we received 625 answers, with 589 of you agreeing on a place called Riddle, Oregon. (The solution grid appears on page 14, along with good reasons for choosing the town of Riddle.)

So, off we headed for the great Northwest, all eager to find our fortune in the Riddle bank. We knew we were in trouble when we couldn't find a bank in Riddle. But then we remembered a postcard from Fay Ellen Webb of Tacoma: "I've driven through Riddle hundreds of times, and the only bank I recall seeing was beside a river. But then, knowing Uncle Max, that's probably where he hid his fortune. Too stingy to pay for a deposit box."

A bit skeptically, we began digging on the banks of the lovely Umpqua River. After two exhausting days, we hit paydirt—or so we thought. We had unearthed a metal box engraved "MAX." And inside? You guessed it—a Tomytronic Slimline Speedway, 10 jumping quarters . . . and another puzzle.

Again we reprint the new puzzle at right and appeal for your help in solving it. You see, the Oregon State Police who discovered us in one of the several large holes dug along the Umpqua did not find the new landscaping to their liking. So, as we await our lawyers who will, we hope, get us out of the Douglas County jail, we enlist your aid.

In the meantime, some of our friends and associates back in New York will award the prizes. By random drawing, the winner of the Tomytronic Slimline Speedway is Charles R. Richards of Fair Oaks, CA. And a jumping quarter each goes to John Britton, New York, NY; Suzanna E. Dennis, Dana Point, CA; Jeff London, Southfield, MI; Jan McCallum, Durham, NC; Elena V. Reyes, Madison, WI; Frederick I. Richmond, Utica, NY; Don Self, House Springs, MO; Carla Van Arsdale, Plantation, FL; Ralph P. Winter, Carmel, CA; and Steve Zweighaft, Norcross, GA.

—M.S.

18 Uncle's New Puzzle

Dear Nephew,

Fooled you again! But the fun's not over, because it's rebus time! From the 24 drawings below, the names of 7 state capitals can be formed; no drawing is reused, and the order is entirely arbitrary. After all 7 capitals have been found, the remaining pictures, reading from left to right and top to bottom, will give you the name of the next city and state in whose bank to seek your riches. I've even included Tomytronic's "Break Up" and ten

of Haim Shafir's "The Crazy Frog Game." So hop to it!

Your loving uncle,
Max

Readers: We'll give away the Tomytronic "Break Up" and Shafir's "Crazy Frog" if you can bail us out by writing the new bank's city and state on a postcard or back of an envelope and sending it to "Uncle Max III," *The Four-Star Puzzler*, 515 Madison Ave., New York, NY 10022. Answers by April 30, 1982, please.





The Sphinx Page



Each puzzle in verse below contains two or more missing words to be guessed, in such forms as transposals (e.g., NAME/MANE/AMEN), beheadments (PIRATE/IRATE), charades (WOO-DEN), and word deletions (SWARTHY — WART = SHY). These keywords are represented by x's and y's—one for each letter in an omitted word. When the keywords have been correctly guessed, each verse will read with proper rhyme and meter, and will express an interesting thought, situation, or story.

An anagram is an apposite rearrangement of the letters in a word, name, or familiar phrase. For example, TERMINAL CUT is an anagram of CURTAILMENT.

Numbers in parentheses indicate lengths of answers. In anagrams, asterisks indicate capitalized words.

19 Charade (10)

The burglar had no xxxxyyyyyy as he made off with the swag;
The hard-earned cash of other folks was sitting in his bag.
The Chief of Scotland Yard had ready wisdom to impart:
"The tracking down of crooks is both a yyyyyyy and an art!"
They studied little particles and analyzed the prints,
And that felon's been a xxx in London's prison ever since.

Eva Silversmith, Baltimore, MD

20 Beheadment (5, 4)

I joined the Choir of Paradise
The day my plane went down.
And now I pluck a xxxx and wear
A flowing snow-white gown.

The other snobby seraphim
Don't like the way I play.
"You're much too yxxxx!" they crab at me.

"To Hell with you," I say.

Raymond Stuart, West Medford, MA

21 Transposals (6)

The track xxxxxx west across the grassy plain.
Some grazing xxxxxx race off as the train
Comes sighing in, each xxxxxx and each wheel
Proclaiming its exhaustion with a squeal.
Arthur Swan, Wit Twisters, 1974

22 Charade (10)

Our yyyyyy left a cryptic note
In xxxx of two month's rent;
A young xxxxyyyyyy turned her head
And off to France they went.

Mitzi Christiansen, Bakersfield, CA

23 Word Deletion (8)

I sat there in the Dew Drop Yyy before a glass of stout.
You asked me what location had the record daily tide.
My xxxxx: the Bay of Fundy. But I wasn't satisfied;
I went home to my bookshelves and I pulled the Xyyyyxxx out.

Philip Cohen, Aliquippa, PA

24 Beheadment (5, 4)

It's there in simple yxxxx and white,
The reason Fido lost his fight.
It wasn't from a xxxx of spunk—
His adversary was a skunk!

Maureen Kennerk, Hicksville, OH

25 Transposal (8)

The bottom of the ninth had come;
The xxxxxxxx was trailing.
The hometown fans looked pretty glum—
They'd hoped to keep the Yankees from,
As usual, prevailing.

The Yank reliever lost control
And walked the bases loaded.
And then, when little Lefty Mole
Came up and xxxxxxxx through the hole—
The stadium exploded.

Dorothy Osborne, Hancock, ME

26 Charade (8)

We xxxx a harvest every fall
Of apple, yyyy, and plum;
And when, next year, they xxxxyyyy,
Stop by—I'll give you some!

Marjorie Wetzel, Danvers, MA

Anagrams

27 AID FLIERS (9)

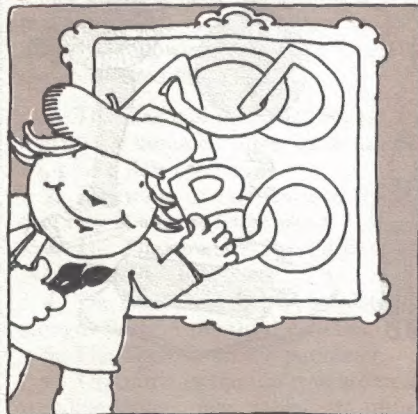
28 I CAN BE AN INDICATORY
HELP, ETC. (3 *12 *10)

29 OH, SIRs, GO PURSUE MEN IF
ABSENT! (3 *6 2 *7 *7)

David Shulman, New York, NY

Do you feel the Muse? Send us an original puzzle of any type you've seen in "The Sphinx," and we'll thank you with \$20 if it is used. Anagrams will be judged for appositeness, and poetic puzzles for cleverness of keywords and verse. Write "The Sphinx," The Four-Star Puzzler, 515 Madison Avenue, New York, NY 10022. Enclose a stamped return envelope if you wish a reply.

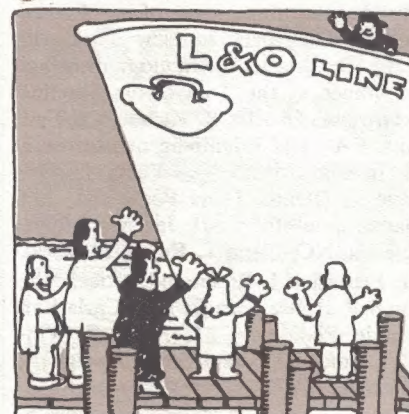
30 TV Personality: 3, 10



31 Book and Movie: 3, 5, 6



32 Playwright: 10

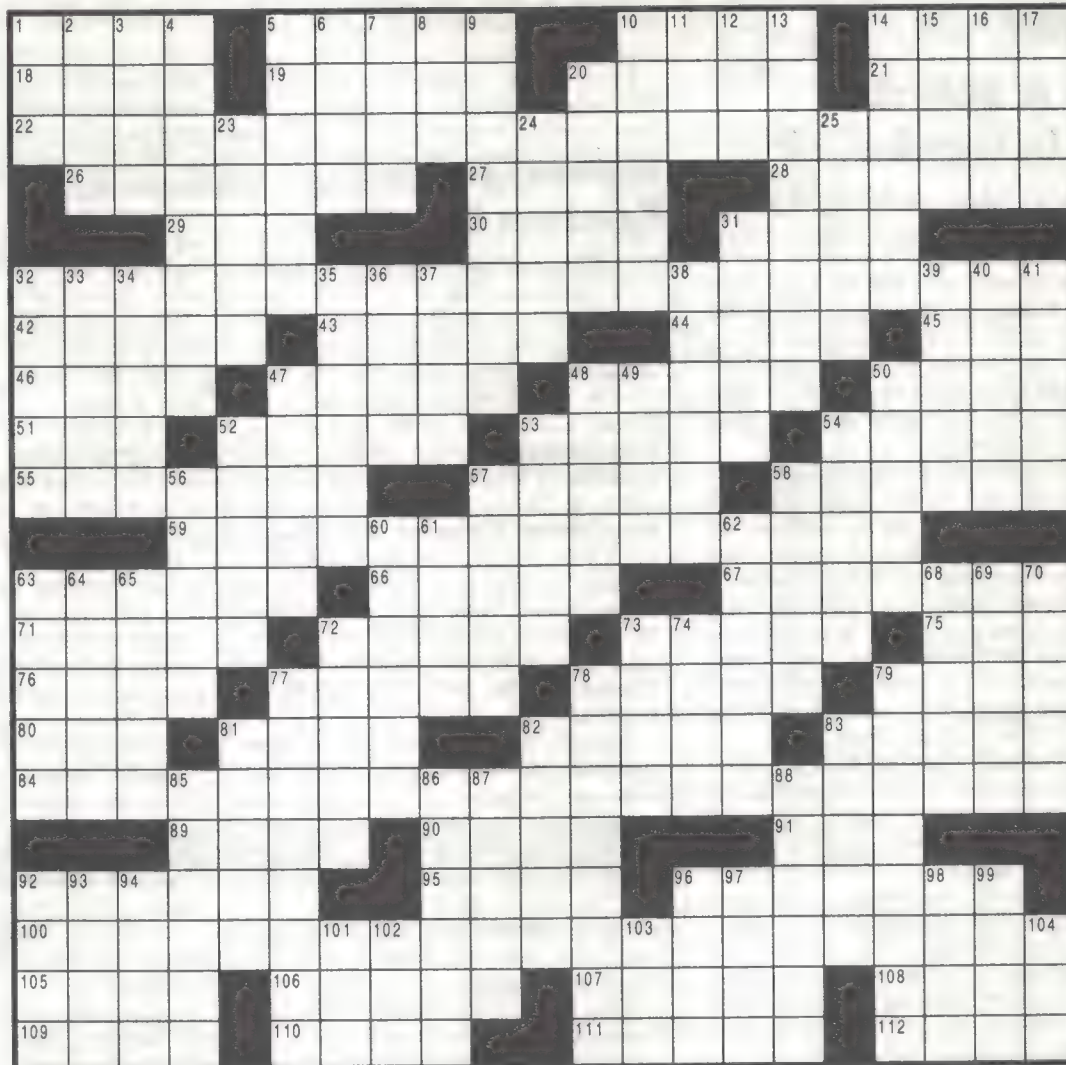


33 Back Pages

HERB RISTEEN

ACROSS

- 1 Cover pages?
 5 Bar fare
 10 Go hungry
 14 Phoney feature?
 18 Double curve
 19 As it were
 20 Straight goods
 21 Gaelic
 22 Wilder novel
 26 Up on deck
 27 Put in the pink
 28 Discontinues
 29 Out of sorts
 30 "____ corny as Kansas . . ."
 31 32-card game
 32 Grey book
 42 Folkways
 43 Countesses' spouses
 44 Is repentant
 45 Central Netherlands city
 46 Intrepid
 47 U.S. expressionist painter
 48 Precipitously pronounce
 50 Decamp
 51 Language: Suffix
 52 Gives a ring
 53 Races in a hot rod
 54 South African province
 55 Give back
 57 Sand in San Salvador
 58 CIO chapters
 59 Bennett best-seller of 1908
 63 Autocrat
 66 Uses a pony
 67 Bran companions
 71 Saucer staffer
 72 Cats' flats?
 73 Corrupt
 75 Lower?
 76 Spray container
 77 Cans
 78 Students of Marceau
 79 Consumed
 80 Give ____ try
 81 Trailblazing Portuguese navigator
 82 Navaho home



- 83 ____ de Leon
 84 Book with a hardy heroine!
 89 Peerless pilots
 90 First-rate
 91 Kaline and Capone
 92 Homilies
 95 Noise made by fans?
 96 Spheres of influence
 100 Tale of mixed doubles
 105 Undistinguished author?
 106 Creme-filled cookies
 107 Lone Star
 108 Descendant of Muhammad
 109 Flat-topped formation
 110 Mountain lake
 111 Cat-____-tails
 112 Spanish lady

DOWN

- 1 Son of Tarzan and Jane
 2 "____ a Kick Out of You"
 3 Follower of Claudius
 4 Scorned
 5 Sea onion
 6 Lang's predecessor
 7 *Daily Planet* reporter
 8 Comparative words
 9 Votary
 10 With the least restraint
 11 Summer moon: Abbr.
 12 Orthodox: Abbr.
 13 Stocky
 14 Be like Buckley
 15 Rages
 16 Court celebrity
 17 Why don't we?
 20 Lawbook

- 23 Stepping stones for giants?
 24 Exhaust
 25 Stands up like Silver
 31 Goes bad
 32 Marshmallow roaster
 33 Fireballer
 34 Town on the Rhone
 35 BB, e.g.
 36 Complain loudly
 37 Coffee containers
 38 Penny-pinching
 39 Dixie region
 40 Epitome
 41 Country dances
 47 Gold-rating unit
 48 Witches' concoctions
 49 Touch the tarmac
 50 Almanac entries
 52 Dot upon dot

- 53 Wet blankets
 54 Pitcher-perfect, perhaps?
 56 Conical abode
 57 Declares
 58 Inclines
 60 Thin
 61 Great Lakes port
 62 Christie's Express
 63 Tennis cup
 64 Delight
 65 Agave fiber
 68 Pictures of saints
 69 Kind of word in "Jabberwocky"
 70 Confectionary
 72 Tale-tellers
 73 Buster Brown's bulldog
 74 Nanking nurse
 77 Fin
 78 Between fast and slow, musically

- 79 Talked idly
 81 Maxims
 82 Province of China
 83 Kind of cap
 85 Gap
 86 Founder of the American Red Cross
 87 Crosses
 88 Apocalyptic horseman
 92 Streetcar
 93 M. Descartes
 94 GI addresses
 96 Half of MCCXXII
 97 Judah's son
 98 Captain of the *Nautilus*
 99 Leg part
 101 Division of history
 102 That girl
 103 Twilight by the Tweed
 104 Sung syllable



34 A Splashy Exit, Hardcase?

Three-Minute Detective

ROBERT L. LIDDIL

The *Olympia*, 110 feet long and drawing 18 feet, too large to berth at the Yacht Club's harbor, was anchored beyond the breakwater, her passengers commuting to shore by way of an eighteen-foot launch that was kept tied to her boarding ladder.

Inspector Hardcase appraised her professionally and Jephro Homer stood in open-mouthed awe as the Harbor Patrol's speedboat tied up to her boarding ladder. Hardcase scrambled up nimbly and Homer looked down apprehensively at the roiling green water as he climbed.

"Only the five of us were aboard when the accident occurred," Commodore O'Keefe explained as he led them to the salon. "The rest were ashore.

"I'll admit I didn't like Nelson and we had an argument before it happened, but I didn't kill him. I retired to my stateroom shortly after dark, when he said he was going ashore."

"Thanks for the honesty," Hardcase answered, "but I'll hear what the others say before drawing any conclusions."

Hardcase sat at the head of the table, facing Chief Engineer Harry Forbes, Deck Officer Doug Downs, O'Keefe's wife Marianne, and guest Thane Gustaffson. The sleuth took in each face quickly before asking any questions. The seamen looked stony; the widow's eyes were dry and did not avoid his; Gustaffson was haggard and his eyes were bloodshot.

"I didn't see Nelson last night," Forbes related. "I was installing bearings on the starboard shaft until the commotion started. Then I put on scuba gear and dove for the body. I found him twenty minutes later, caught on barnacles on the port side."

Downs said, "This never would have happened if Mr. Nelson had checked in with me before leaving. I knew the ladder was too high since I'd returned in the launch six hours earlier, at high tide, and it hadn't been used since then."

"I'm ashamed," Mrs. O'Keefe said. "Nelson and my husband were arguing over me. I'd been engaged to Horatio before I married Sean but he mistreated me and I never wanted to see him again. I think I'd have killed him if I could have, but you see I'm confined to this wheelchair."

Gustaffson removed the icebag from his forehead. "I can't help much. I'd had too much to drink and passed out before the argument. I didn't wake until just before you boarded."

From these statements, what did Hardcase conclude?

Answer, page 14

Rebus Cartoon Contest Results

The January rebus contest drew 481 entries from readers, of which 451 were fully correct. Leon Harkleroad of Abilene, TX, was randomly chosen as the winner of the grand prize, *All the Symphonies and Greatest Tone Poems of Tchaikovsky*, a 9-record set. Runners-up, each receiving *Do You Want to Talk About It?* by Edward Koren, are: Dutton Alden, E. Derry, NH; Alan Batterman, Spring Valley, NY; Alf S. Berg, Peoria, IL; Lynn Cartwright, Boothbay, ME; Michael W. Dill, New York, NY; Howard W. Seaton, Falls Church, VA; Bruce Tidwell, Chicago, IL; India Van Voorhees, New York, NY; Robert Wagner, Cleveland, OH; and Pat Whitehead, Waldwick, NJ.

January's contest ran the gamut from pushovers to mindbenders, and elicited from our illustrator such figures as Laurel and Hardy, the Marx brothers, Medusa, and a many-handed visitor from outer space. The flying saucer's hum provided the "M" sound in "Pygmalion"—certainly the shortest humming noise we've ever heard. But no apologies for that one. Here's the complete answer list: 4. Cinderella (SINNED-ER-L-UH); 7. Dionne Warwick (D-ON-WAR-WICK); 8. Big Bad John (BIG BADGE ON); 14. Pygmalion (PIG-M-ALIEN); 15. The Peace Corps (THE-P-SCORE); 28. Gorgonzola (GORGON-ZOLA) 29. Mark Spitz (MARX-PITS); 30. Gale Storm (GALE-STORM); 33. Isadora Duncan (IS-ADORE-A-DUNKIN'); 34. Hammer Throw (HAM-EARTH-ROW); 58. Algiers (AL-JEERS); 59. Wally Cox (WHA-LEAK-OX).

35 Explorer: 9



Yellow Journalism

Results from January

If you haven't yet bought WHEELWIGS for your bald tires, it can't be because they are unavailable. The entries to "Yellow Journalism" (in which you had to define a page heading from your local Yellow Pages) showed that WHEELWIGS are found all over the country, as are PIZZA-PLANTS and REDUCING-REFRIGERATORS, not to mention the BURGLAR-BUS and the DISHWASHING-DOG.

First prize (any one month's phone bill up to \$100 free) goes to Ken Grier for his find in the Houston Northwest Yellow Pages:

BURGLAR-CALLING: Notifies robbers of the precise time your home is available; an exclusive service for the vacationer who wishes to collect on insurance while away.

Runner-up prizes (*An Illustrated History of Gambling* by Hank Messick and Burt Goldblatt) are awarded for:

FORMAL-FUMIGATING: Done in the evening so your neighbors won't know your house is infested.—*Marian McCullough, Passaic County, NJ Yellow Pages*

RUBBISH-SANDWICHES: The ultimate in junk food.—*Ina Hafer, Delaware County-Maine Line, PA Yellow Pages*

COIN-COMPRESSORS: One of these gadgets will help your dimes and quarters match the ever-shrinking dollar.—*Karen Feinberg, Cincinnati, OH Yellow Pages*

FIRST-FISH: President Reagan's pet guppy.—*Beverly Feldt, Chicago, IL Yellow Pages*

ALCOHOLISM-ANNOUNCEMENTS: "We are pleased to announce that William R. Brown has turned to the bottle in order to cope with life. Please join us in celebrating his affliction."—*K. Casazza, Schenectady, NY Yellow Pages*

And honorable mention to:

DUPLICATING-EGGS: Eggs that reproduce themselves without the need of hens.—*Kathleen Collins*

MOVING-MUCILAGE: Japanese horror movie.—*Reggie Marshall*

LOAN-LOBSTERS: Similar to loan sharks but a little less severe.—*Michael Ventrella*

BRIDAL-BRUSHES: For getting rice off the happy couple.—*Dan Maurer*

INVESTMENT-JANITOR: For cleaning up in the stock market.—*Bill Sherman*

DEODORIZING-DETECTIVES: Will find out who in your office isn't using Dial.—*Linda Snow*

VERTICAL-VETERINARIANS: Can cure giraffes with sore throats, or get snakes out of drainpipes.—*Charles Fee*

ABDOMINAL-ACCOUNTANTS: Do they add by pressing belly buttons?—*Eleanor Thisse Martin*

—LINDA BOSSON

36 Missing Links

GARY DISCH

The kriss-kross grid below isn't quite finished. The 16 letters beneath it can be inserted to form a pattern of common words across and down. Can you find the unique solution?

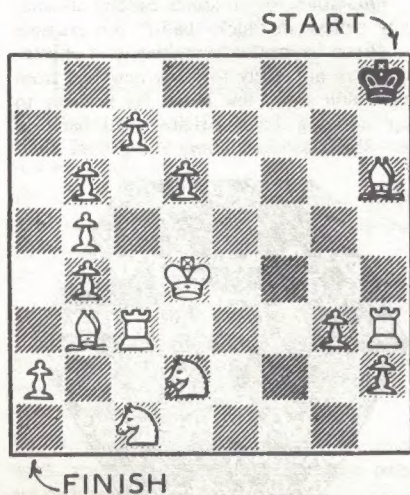


C D D E G G H H
I M O O O P S T

37 Chess Maze

KENNETH FEUCHT

Can you negotiate the black King from the upper right to lower left corner of this chessboard maze? Move the King one square at a time in any direction, as in chess. You may never move the King into check, of course, but you may capture white pieces (which remain stationary) to clear the King's path. Are you equal to the royal challenge?

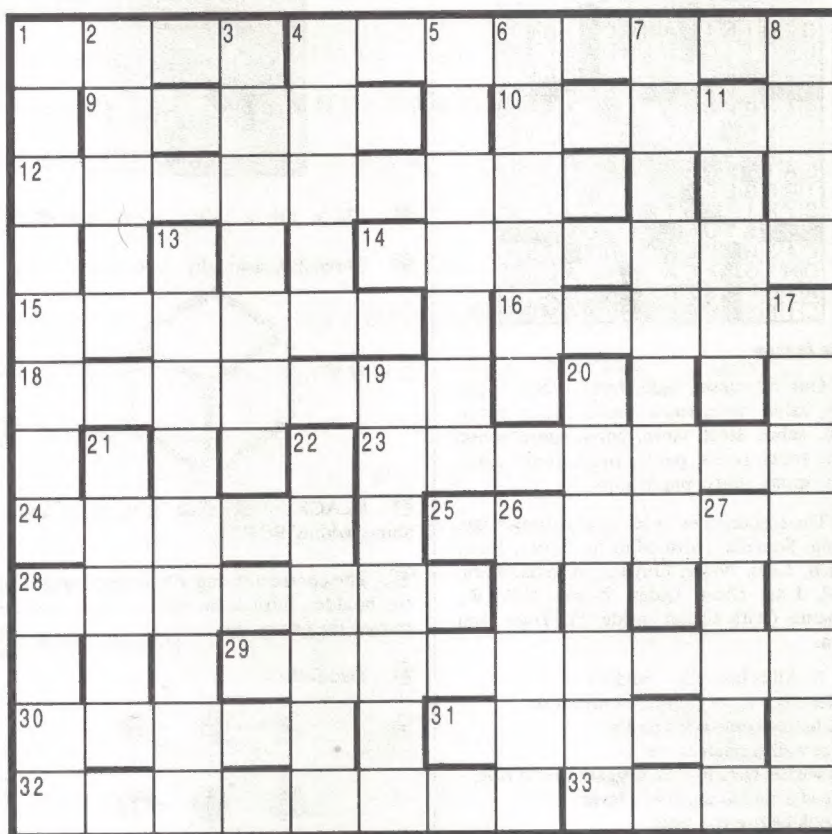


38 Star Trek

Variety Cryptic Crossword

MASS

Each of the eighteen starred clues contains *one* misprinted letter. In nine cases the misprint occurs in the definition part of the clue; in the other nine, it occurs in the subsidiary part (charade, homophone, etc.). The eighteen *correct* letters could be arranged to spell THE FOUR-STAR PUZZLER.



ACROSS

- 1 Footwear constructed initially with piece of wood (4)
- * 4 Happy with dog's meal made now (8)
- * 9 A Republican argument is fiercer (5)
- 10 Rhode Island writer is mature (5)
- 12 Dress first of eels in fatty tissue and raw sweetener (5, 4)
- *14 Finish sure ruined masts (7)
- 15 Ill boy wearing cape in New Jersey (6)
- 16 Valleys seen in back of looking glass (5)
- *18 Hog became sick eating a piece of rutabaga (7)
- *23 Fixed rarebit for an empire (7)
- 24 Bird with the Gallicized name (5)
- 25 Transfix with demon drink (6)

- *28 Depict wind and sunbeam (7)
- *29 Site of some inn I'd redesigned (9)
- *30 "Cream Rinse"—free product (5)
- 31 Piece of land with American flower (5)
- *32 Dance left and right around hero, then fade (8)
- 33 Spoken as I'd watched (4)

DOWN

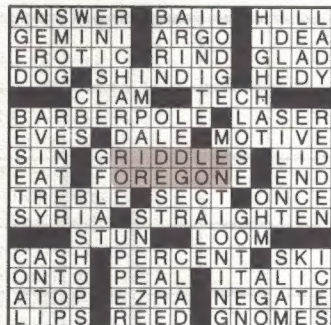
- * 1 Flame and steam can burst (8)
- 2 Girl with Latin character (5)
- * 3 Building housing kennels operated in an Indiana town (7)
- 4 Run stoplight (run through) (5)
- 5 I've made rid of one in anger! (7)

- 6 Search the river's border, going after doctor (6)
- 7 Musicals Poe treats in a bizarre way (9)
- 8 Biblical man with funny nose (4)
- *11 What's happening with Eastern Pole (5)
- 13 One-pound roast's cooked bird (9)
- *17 Projected scene: red hut (8)
- 19 A sweet cream AI whipped up (7)
- *20 Sally returned sock in ceremony (7)
- 21 Semiconductor in radio device (5)
- *22 It's one of the clock in Madrid, or possibly in Rome (6)
- *26 Gene has alternative house (5)
- *27 Vague—nothing seen in mist (5)
- *28 Cat fight in beatnik's apartment (4)

ANSWERS

Uncle Max (Jan. Issue)

16 Uncle Max's hints that the fortune was in "12 smaller boxes" and that "One's answer will tell you exactly where to look" led solvers to consult the clue to 1-Across—ANSWER—which read, "The heart of the puzzle." The middle 12 squares of the diagram contain the solution: Riddle, Oregon.



This Issue

1 Our list: upset, tacit, tryst, syrup, spurt, trues, satyr, taste, caste, teach, cache, niche, cheat, aches, strut, strop, ports, sport, rouse, route, routs, pouts, pinup, runic, tunic, satin, trout, spout, unity, pupil, slips.

2 The countries in order of occurrence are: Burma, Somalia (with Mali inside it), Italy, Yemen, Laos, Niger, Guyana, Algeria, Peru, Israel, Iran, Cuba, Qatar, Nepal, U.S.S.R., Romania (with Oman inside it), Togo, and Libya.

- 7 1. All is fair in love and war.
2. Necessity is the mother of invention.
3. A man's home is his castle.
4. Let well enough alone.
5. If wishes were horses, beggars would ride.
6. Feed a cold and starve a fever.
7. Look before you leap.
8. If it's worth doing, it's worth doing right.
9. All's well that ends well.

11 1. Edwin "Buzz" Aldrin's description of the moon. 2. Salami. 3. Boring. 4. In this question, "pick up" means "steal"! 5. Falling down stairs. 6. 15%. 7. Her dogs. 8. Trench coat. By the way, it's not from the Wardrobe Dept.; it's his own coat. 9. Whiskey. 10. A joey. The male and female kangaroos are called "boomer" and "flyer." 11. Little Green Men. 12. Celophane. 13. Loser pays. 14. Cologne. 15. Teeth. 16. They were two different men, who neither were related nor had ever met.

13 Albert and Mary Grunt; Bill and Kate Hall; Cecil and Lorna Jackson; David and Olga Innes; Ernest and Nancy Fox.

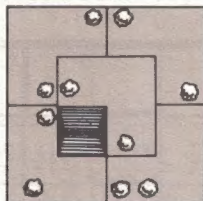
14 1. Queen of Spades 2. Jack of Spades 3. Eight of Spades 4. Five of Spades 5. Ace of Hearts 6. Nine of Spades 7. Seven of Spades 8. Three of Spades 9. King of Spades 10. Ace of Spades 11. Four of Spades 12. Ace of Diamonds 13. Ten of Spades 14. Ace of Clubs 15. Six of Spades 16. Two of Spades

15 Brigett, pixie, dell, hallucination; Eo-mann, griffin, cave, dream; Maire, leprechaun, tree, chase; Sean, dragon, hilltop, chase; Pa-draig, unicorn, meadow, chase, real.

34 Downs, being a nautical man, knew well that the relative positions of the boats were unaffected by the tide. When he implied otherwise, it was to disguise the fact that he had raised the ladder.

46 Two: one cube and one sphere. The relative weights are: cylinder 13, cube 8, sphere 4, cone 3.

47 The garden was divided as shown:



48 $138 \times 138 = 19044$.

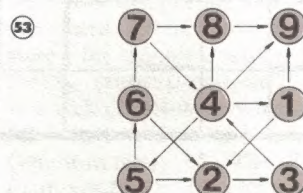
49 Three-dimensionally, as shown:



50 BLACK, slack, slick, slice, spice, spine, shine, whine, WHITE.

51 The contractor dug a hole big enough for the boulder, buried the boulder in it, and removed the excess dirt.

52 Two-fifths.

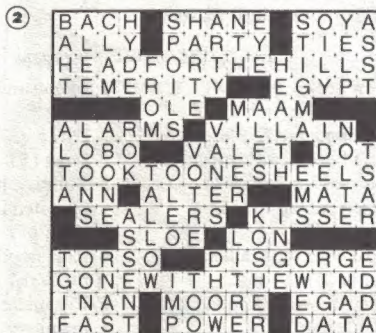


54 Four dollar coins, a half dollar, a quarter, four dimes, and four pennies.

55 By adding T's, we get "TWO TUTORS TAUGHT TEN STUDENTS TO WRITE."

56 They can keep meeting (theoretically, that is) for 20,349 weeks—over 390 years.

Last Issue

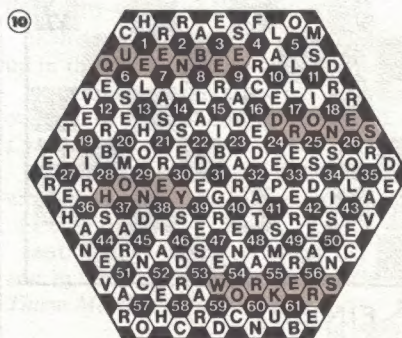


5 ACROSS: 1. PIPE DREAMS (anag.) 6. DRAB (bard rev.) 10. MIA-OW (I am anag.) 11. CON-FUSION 12. SPECIAL (anag.) 13. SHRIEKS (anag.) 14. CRUSTACEA (anag.) 16. EXTRA (hidden) 17. NO-B-LE(aves) 19. AUTO-MATED 21. THROUGH (homophone) 22. D(ISH)RAG 24. BLUE-PRINT 25. EV(OK)E 26. EASY (hidden) 27. PER-MISS-ION

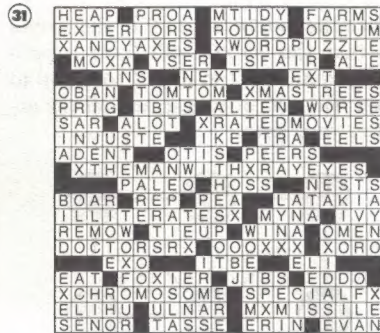
DOWN: 1. PUMPS (2 mngs.) 2. PLATE-AU 3. DOWN IN THE DUMPS (2 mngs.) 4. E(XC)EL 5. M(IN)E SH-A-FT 7. RAIMENT (anag.) 8. B-AND-STAND 9. QUARTER-MASTERS 14. CONS-TABLE 15. CRASH-DIVE (2 mngs.) 18. BARQUES (homophone) 20. TORT-ON-I 22. D-AT-U-M 23. G-LEAN

8 Word List: A. Doodle B. Outpouring C. Ukase D. Gobbet E. Scylla and Charybdis F. Anatomy G. Next of kin H. Double I. Eerie J. Ready money K. Slippery Rock L. Chaff M. Olive oil N. Make out O. Elite P. Silly Putty Q. Wobblers R. Issue S. Nobby T. Guava U. Whelk V. Innkeeper W. Talkies X. Hooligan Y. Material Z. Eiffel

Quotation: Superstitious caddies abound. Many believe in "lucky balls," for example . . . If you happen to be making a lot of birdies, you're not likely to get a new ball from your caddy every few holes. He is likely to keep sneaking [the] original ball back to you.—Doug Sanders, *Come Swing With Me*.

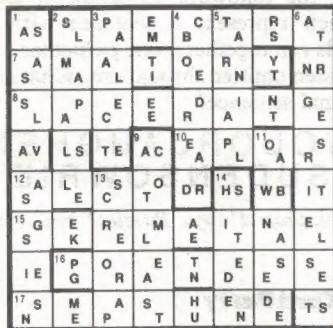


- 15 Related/altered/alerted/redealt/treadle
 16 Villa-in 17 Dial/grass/me/diagramless
 18 Delicious/delirious 19 Ba(lone)y
 20 Bunny mag/money bag 21 T-is-sue
 22 Buffet 23 Castile/laciest/elastic/latices
 24 Teenager/generate 25 Pathos/patios
 26 Snow tire 27 The supernatural
 28 A promissory note



- 39 ACROSS: 2a. SPECTRA (anag.) 2b. LAMB-AST (sat anag.) 7a. A-MA(TO)RY 7b. S(ALIEN)T 8a. LACE-RATE 8b. S(PEED)ING (deep rev.) 10a. EPOS (Aesop anag. minus a) 10b. ALAR (hidden) 12a. SE(C)T 12b. ALSO (first letters) 15a. GERMAINE (homophone) 15b. SKELETAL (anag.) 16a. GRANDEE (anag.) 16b. POETESS 17a. S(MA'S)HED 17b. NEP-TUNE (pen rev.)

- DOWN: 1a. ASS-AS-SIN 1b. SA(L)VAGES 2a. S-MALL 2b. LAPSE (homophone) 3a. A-LEE 3b. PA-CT 4a. B(OR)ED 4b. CEDAR (anag.) 5a. T(R)AP 5b. A-NIL 6a. ANGRIEST (anag.) 6b. TRE(ST-L)ES 9a. AT-LAS(t) 9b. COME-T 11a. OW-NED 11b. A-BASE 13a. CROP (2 mngs.) 13b. SE(R)A 14a. HIDE (2 mngs.) 14b. STEN (rev.)



- 39 Being wealthy: when you can afford to buy a whole new set of golf clubs just because you get a hole in one.
 40 Why did lovesick young gambler switch from baccarat to craps? Lady croupier kept saying, "No dice!"
 41 Physics student flings iron filings at electromagnet, forming pretty semicircular patterns.
 42 Egregious impresario exhibits asocial behavior by producing mixed-up, incomprehensible atonal opera.
 43 Victorian architecture's curlicued scrollwork, gingerbread ornamentation give painters nightmares.

Cryptography

SALLY PORTER



Each of these messages has been put into a simple substitution letter code. The substitutions are constant throughout each cipher, but change from one cipher to the next.

39 Gallop Poll

MBCCOR JNY DYKHKL WBJJA: PUKVU
 UNYARTLX NJ LMNVLOEMAR JLTR TNAD
 OKGROE WYKXZA LMNMORVDKV ARKCBYR?

40 Buzzwords

VW TRVCMVZL SNNU PJN SNNDVBNU KW
 PHMVBVMG, VM QVLDM QNPZ KZCG MDPM
 PZGSKXG ZKM YJNUNZM VU SNVZL UMRZL.

41 In Cold Blood

YZXM YKFDVH YPXZHU BHNH BPVQNB KD
 BFBRTNPSYH YZUM, YPLPDV FT NK YFWPU
 WHTNPYPZD HTPNQHN.

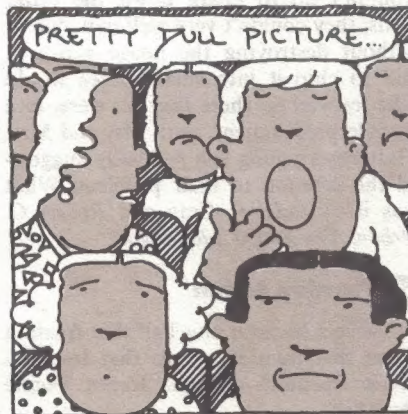
42 Pick-Me-Up

VKZWJYXQYZXF KVHCWPZV SVXMWZTXDZVU
 BJDDY FWQBCXHKYWXC ZUPXKM HGVUTP
 WVQGP FTVQK-QKN-AVUR, CUVYY, YKQZFW.

43 Garden Plot

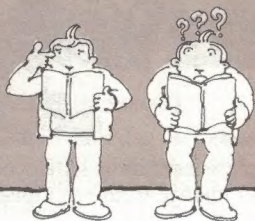
CHOOSY, LSOOPSLA XL THOOHAN, SLTRCK
 ICHYM XV HLACF VHCNC KYROOXCLPF ONLY
 XL CROOSLA XRY DNCGL.

44 Wine: 8



45 Indian Tribe: 6





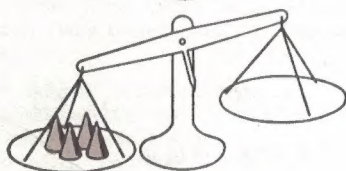
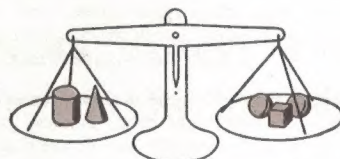
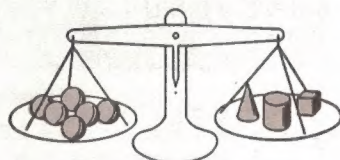
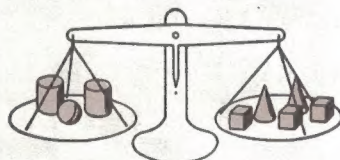
At Wit's End



Answers, page 14

46 Balancing Act

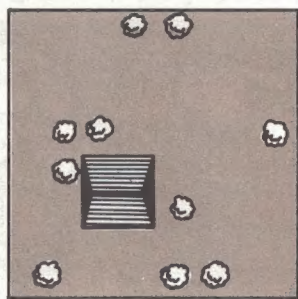
What is the least number of objects we can put into the bottom right pan to strike a balance?



—Geoffrey Mott-Smith, *Mathematical Puzzles for Beginners and Enthusiasts*

47 The Divided Garden

An estate owner leased his house to five tenants, and, having a garden attached to the house, he wished to divide it among them. There were 10 trees in the garden, as shown, and he desired to divide it so that each tenant would get an equal share of garden and trees. How did he do it?



—Don Lemon, *Everybody's Illustrated Book of Puzzles*

48 Two-Timing

As it stands, this multiplication problem is incorrect. Can you correct it by substituting one digit for each letter?

$$\text{TWO} \times \text{TWO} = \text{THREE}$$

—Strand Magazine, July, 1924

49 On the Square

Three squares of equal size can be produced by 10 matchsticks, as shown below. Can you show how three squares of equal size can be produced by nine matchsticks?



—Sophus Tromholt, *Streichholzspiele*

50 Laddergram

Can you change BLACK to WHITE in eight steps by changing only one letter at each step? Each change must result in a familiar English word; proper names and abbreviations are forbidden.—M. Digby, *Brain Teasers*

51 Rock Bottom

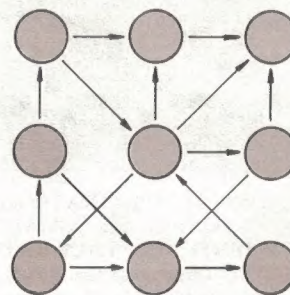
Mr. and Mrs. Flutterby wanted to deepen their cellar, so they hired an excavating contractor to do the job. All went well until, in the course of the digging, the contractor came across a huge boulder right in the middle of the cellar. It was much too large to be taken out by way of the cellar door; it certainly wouldn't do to break down the cellar walls; they couldn't very well dynamite it without destroying the house above it; and to chip it into small pieces would take forever! So there they all were, in a terrible predicament, until Mr. and Mrs. Flutterby's young son suddenly suggested the solution to their problem. What was it?—Madeline Gray and Robert C. Urban, *The Bright Idea Book*

52 Fraction Action

Twice a fraction plus half that fraction times that fraction equals that fraction. What fraction?—Jerome Meyer, *Puzzle Paradise*

53 Number Chain

Place the numbers 1 to 9 in the circles such that the arrows will form a path leading from 1 to 2 to 3, and so on up to 9. You will not, of course, use all the arrows in your path.



—Rich Latta, Plainfield, IL

54 Money Matters

I have \$5.19 in modern American coins in my pocket, but I can't change a \$5 bill or a \$1 bill, nor can I change a half dollar, a quarter, a dime, or even a nickel. What coins do I have?—Raja, *Puzzle Potpourri*

55 Chain Letter

In the following collection of letters (which represent a sentence with the words run together), one particular letter has been omitted throughout. What is the original sentence?

WOUORSAUGHEN
SUDENSOWRIE

—Jonathan Always, *Puzzles? You're Joking!*

56 Card Party

A friendly circle of 21 persons agreed to meet each week, five at a time, for an afternoon of bridge, so long as they could do so without forming exactly the same party on any two occasions. As a central room had to be hired, it was important to have some idea as to the number of weeks for which they would require it. How long could they keep up their weekly meetings?—Robert Wheeler, *A Puzzle a Day*

Do you have an original, unpublished brain-teaser? Send it to "At Wit's End," The Four-Star Puzzler, 515 Madison Avenue, New York, NY 10022. We'll pay \$20 for each one used.